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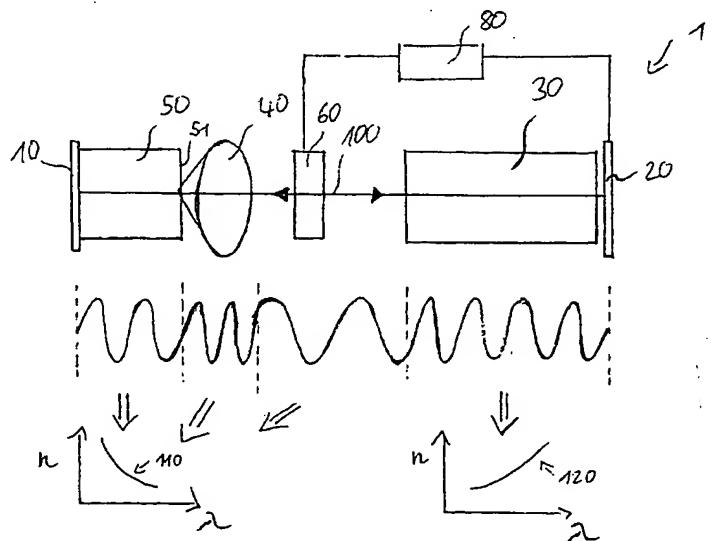
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(54) Title: CAVITY WITH DISPERSIVE ELEMENT



(57) Abstract: A cavity comprising: a first cavity end mirror (10) and a second cavity end mirror (20), both mirrors being arranged to at least partially reflect an incident beam (100) of electromagnetic radiation towards each other, an optical path of said beam of electromagnetic radiation within said cavity, which is defined in length 'b' by said first (10) and second cavity end mirror (20), a dispersive device (50), which is arranged, such that a portion of said optical path of said beam (100) of electromagnetic radiation traverses through said dispersive device (50), wherein said dispersive device (50) comprises a dispersive characteristic representing a functional dependence of an optical path length of said portion with respect to wavelength of said electromagnetic radiation, wherein said optical path length increases with an increasing wavelength of said electromagnetic radiation.